

In the Claims

In accordance with the rejections of the examiner in Paragraphs 2-6, Claims 1 and 2 are amended as indicated below:

1. (Amended) A foam marking attachment device attaching to a chemical boom sprayer apparatus having a right arm and a left arm, the chemical boom sprayer apparatus mounted on a farm or garden tractor operating on a low voltage DC electrical system, said attachment marking a right or left outer boundary of a treated area of said chemical boom sprayer apparatus, comprises ~~essentially~~:

a three way power switch attached to said low voltage DC electrical system of said farm or garden tractor;

two air compressors attached to said three way power switch by low voltage electrical wiring;

air lines having a check valve and a regulator connected to each said air compressor;

a foam header attached to each said air line, said foam headers having a inlet chuck receiving compressed air from said air line into a hollow central tube;

a foaming solution bottle attaching to each said foam header, said foaming solution bottle having a bottom and containing a foaming solution, with said central tube from said foam header extending to said bottom of said foaming solution bottle when said foam header is attached to said foaming solution bottle, the compressed air passing through said foaming solution creating a foam within said foaming solution bottle within a headspace above said foaming solution;

an outlet chuck on each said foam header integrating with said headspace providing an outlet for said foam;

a foam tubing attached to each said outlet chuck, one said foam tubing attached to said right arm of said boom sprayer apparatus and the other said foam tubing attached to said left arm

of said boom sprayer; and

a vertical drop tube connecting to each said foam tube from which said foam is dispensed, said vertical drop tube extending below said boom sprayer above said treated area, wherein the three way switch allows for application of the foam to be dispensed to either said right or left outer boundary by activating one of said two air compressors which generates and delivers foam to said corresponding drop tube attached to the right arm or left arm of said boom sprayer apparatus.

2. (Amended) A foam marking attachment device attaching to a chemical boom sprayer apparatus having a right arm and a left arm, the chemical boom sprayer apparatus mounted on a farm or garden tractor operating on a low voltage DC electrical system, said attachment marking a right or left outer boundary of a treated area of said chemical boom sprayer apparatus, comprises:

a three way power switch attached to said low voltage DC electrical system of said farm or garden tractor;

a right air compressor attached to said three way power switch by low voltage electrical wiring;

a right air line having a check valve and an air regulator;

a right foam header attached to said right air line, said right foam header having an inner threaded bottle engaging cap, an inlet chuck and an outlet chuck;

a foaming solution bottle having an upper threaded neck and a bottom, said upper threaded neck threadably attached to said bottle engaging cap, said foaming solution bottle containing a foaming solution with a headspace above said foaming solution within each foaming solution bottle, wherein said bottle engaging cap further includes a hollow central tube extending to said bottom of said foaming solution

bottle, said central tube connecting to said inlet chuck by an inlet channel in said bottle engaging cap, with said outlet chuck connected to an outlet channel integrating with said headspace above said foaming solution;

a length of foam tubing connected to said outlet chuck extending along said right arm of said boom sprayer apparatus, said length of foam tubing having a restricted right angled elbow connected to a vertical drop tube from which foam is dispensed, said drop tube extending below said right arm of said boom sprayer apparatus to a level slightly above said right outer boundary of said treated area; and

a left air compressor attached to said three way power switch by low voltage electrical wiring;

a left air line having a check valve and an air regulator;

a left foam header attached to said left air line, said left foam header having an inner threaded bottle engaging cap, an inlet chuck and an outlet chuck;

a foaming solution bottle having an upper threaded neck and a bottom, said upper threaded neck threadably attached to said bottle engaging cap, said foaming solution bottle containing a foaming solution with a headspace above said foaming solution within each foaming solution bottle, wherein said bottle engaging cap further includes a hollow central tube extending to said bottom of said foaming solution bottle, said central tube connecting to said inlet chuck by an inlet channel in said bottle engaging cap, with said outlet chuck connected to an outlet channel integrating with said headspace above said foaming solution;

a length of foam tubing connected to said outlet chuck extending along said left arm of said boom sprayer apparatus, said length of foam tubing having a restricted right

angled elbow connected to a vertical drop tube from which foam is dispensed, said drop tube extending below said left arm of said boom sprayer apparatus to a level slightly above said left outer boundary of said treated area, wherein said three way switch allows for said foam to be dispensed to either said right or left outer boundary by activating either said right air compressor or said left air compressor generating and delivering said foam to said corresponding drop tube attached to the right arm or left arm of said boom sprayer apparatus.

3. (Original) The attachment device as disclosed in Claim 2, wherein said attachment device further comprises:

non-corrosive quick connect fittings on each said air line beyond said check valve and said regulator connecting said air line to each said inlet chuck;

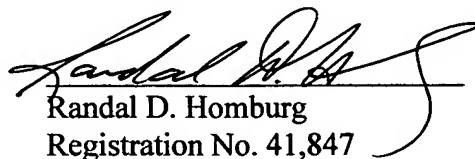
non-corrosive quick connect fittings on each length of said foam tubing connecting said foam tubing to each said outlet chuck on said foam header; allowing said foam header to be quickly disconnected and connected to add foaming solution to said foaming solution bottle when foaming solution is depleted, said air line also capable of direct connection to said foam tubing to purge said foam tubing of residual foam in said foam tubing after use; and said foam tubing is a flexible, which allows said foam tubing to remain attached to said boom sprayer apparatus folded into a stored position after use, said foam tubing also transparent to allow for monitoring flow and quantity of said foam being disposed to said vertical drop tube.

The above amendments to Claims add no new matter to the invention and are made to be place in conformity with the rejections of the Examiner in the Office Action. Such amendments should thus place the amended claims in proper form for allowance and overcome the rejections of the Examiner based upon the Examiners indications in Paragraph 2-3 and 5-6 of such Office Action.

CONCLUSION

The applicant submits that the above-noted amendments and remarks put the application in condition for allowance. Said Claims have been rewritten and the amendments made as noted. Applicant therefore respectfully requests that the Examiner withdraw the outstanding objections and rejections contained in the Office Action of January 25, 2005, and pass this application to issue. Additionally, Applicant also respectfully requests that the drawings be allowed as submitted in light of the fact that they do contain proper reference to the "quick connect fittings" and that the objection based upon 37 CFR 1.83(a) be withdrawn. Applicant expresses their appreciation to the Examiner for Examiner's attention and courtesy.

Respectfully submitted;



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